

Listing of Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Claim 1. (Currently Amended): An intraluminal medical device comprising:

a substantially tubular member having an inner surface defining an inner [a] radius of curvature, an outer surface defining an outer radius of curvature, open ends, and a first diameter for insertion into a lumen of a vessel and a second diameter for anchoring in the lumen of the vessel; and

at least one marker [connected] integral to and extending from at least one end of the substantially tubular member, the at least one marker comprising a marker housing having an inner surface and an outer surface and a marker insert having an inner surface and an outer surface, the inner surface of the marker housing and the marker insert each having a radius of curvature equal to the radius of curvature of the inner surface of the substantially tubular member, the outer surface of the marker housing having a radius of curvature equal to the radius of curvature of the outer surface of the substantially tubular member, and the outer surface of the marker insert having a radius of curvature less than the radius of curvature of the outer surface of the marker housing such that the outer surface of the marker insert is recessed below the outer surface of the marker housing [each having a radius of curvature of the substantially tubular member], the marker housing

defining an opening that is conical in the radial direction with the outer surface of the marker housing having a diameter larger than the diameter of the inner surface of the marker housing [having a conical taper].

Claim 2. (Original): The intraluminal medical device according to Claim 1, wherein the intraluminal medical device comprises a superelastic alloy.

Claim 3. (Original): The intraluminal medical device according to Claim 2, wherein the superelastic alloy comprises from about 50.0 percent to about 60 percent Nickel and the remainder Titanium.

Claim 4. (Original): The intraluminal medical device according to Claim 1, wherein the marker housing comprises the same material as the intraluminal medical device and is integral thereto, thereby forming a unitary structure.

Claim 5. (Original): The intraluminal medical device according to Claim 4, wherein the marker insert comprises a material having a radiopacity higher than that of the material comprising the intraluminal medical device.

Claim 6. (Original): The intraluminal medical device according to Claim 5, wherein the marker insert comprises Tantalum.

Claim 7. (Original): The intraluminal medical device according to Claim 6, wherein the marker insert is secured in the marker housing by frictional, locking engagement.

Claim 8. (Original) The intraluminal medical device according to claim 7, wherein the marker insert is secured in the marker housing by a protruding ridge.

Claim 9. (Currently Amended): An intraluminal medical device comprising:

a thin-walled, substantially tubular member having an inner surface defining an inner [a] radius of curvature, an outer surface defining an outer radius of curvature, open ends, and a first diameter for insertion into a lumen of a vessel and a second diameter for anchoring in the lumen of the vessel, the thin-walled tubular member comprising a superelastic alloy; and

at least one marker [connected] integral to and extending from at least one end of the substantially tubular member, the at least one marker comprising a marker housing having an inner surface and an outer surface and a marker insert having an inner surface and an outer surface, the inner surface of the marker housing and the marker insert each having a radius of curvature equal to the radius of curvature of the inner surface of the substantially tubular member, the outer surface of the marker housing having a radius of curvature equal to the radius of curvature of the outer surface of the substantially tubular member, and the outer surface of

the marker insert having a radius of curvature less than
the radius of curvature of the outer surface of the
marker housing such that the outer surface of the marker
insert is recessed below the outer surface of the marker
housing [each having a radius of curvature of the
substantially tubular member], the marker housing
defining an opening that is conical in the radial
direction with the outer surface of the marker housing
having a diameter larger than the diameter of the inner
surface of the marker housing [having a conical taper].

Claim 10. (Original): The intraluminal medical device according to Claim 9, wherein the marker housing comprises the same material as the intraluminal medical device and is integral thereto, thereby forming a unitary structure.

Claim 11. (Previously Presented): The intraluminal medical device according to Claim 10, wherein the marker housing defines a substantially elliptical opening having a predetermined curvature.

Claim 12. (Original): The intraluminal medical device according to Claim 11, wherein the marker insert comprises a material having a radiopacity higher than that of the material comprising the intraluminal medical device.

Claim 13. (Original): The intraluminal medical device according to Claim 12, wherein the marker insert comprises Tantalum.

Claim 14. (Original): The intraluminal medical device according to Claim 13, wherein the marker insert has a curvature equal to that of the curvature of the opening in the marker housing.

Claim 15. (Original): The intraluminal medical device according to Claim 14, wherein the marker insert has a diameter of 0.02 inches.

Claim 16. (Original): The intraluminal medical device according to Claim 15, wherein the marker insert is secured in the marker housing by frictional, locking engagement.

Claim 17. (Original): The intraluminal medical device according to claim 16, wherein the marker insert is secured in the marker housing by a protruding ridge.

Claim 18. (Cancelled)

Claim 19. (Cancelled)

Claim 20. (Cancelled)

Claim 21. (Cancelled)

Claim 22. (Cancelled)

Claim 23. (Cancelled)

Claim 24. (Cancelled)

Claim 25. (Cancelled)

Claim 26. (Cancelled)

Claim 27. (Cancelled)

Claim 28. (Cancelled)

Claim 29. (Cancelled)

Claim 30. (Cancelled)

Claim 31. (Cancelled)